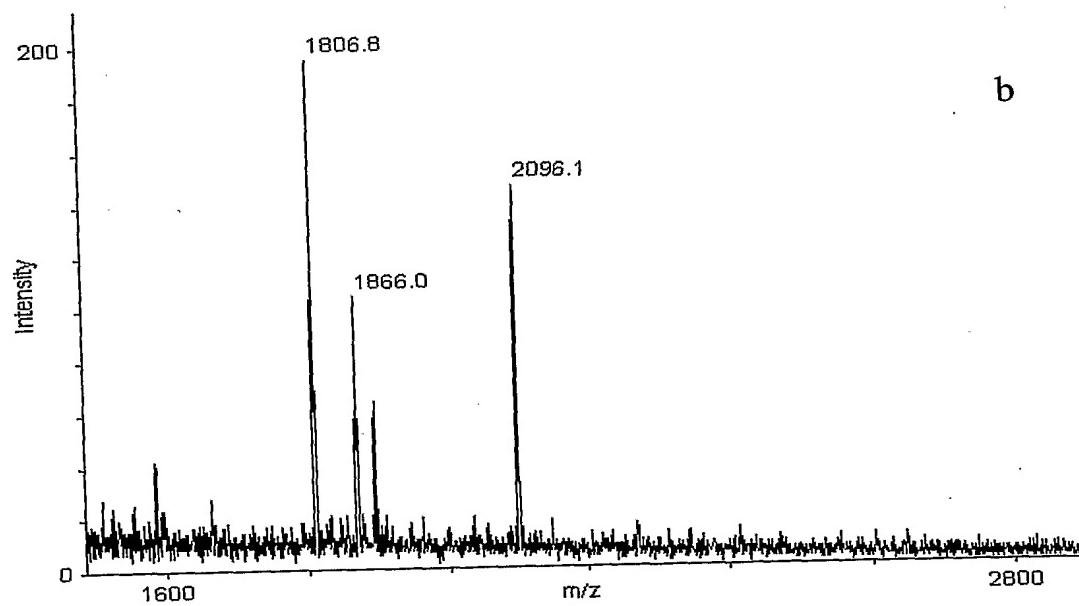
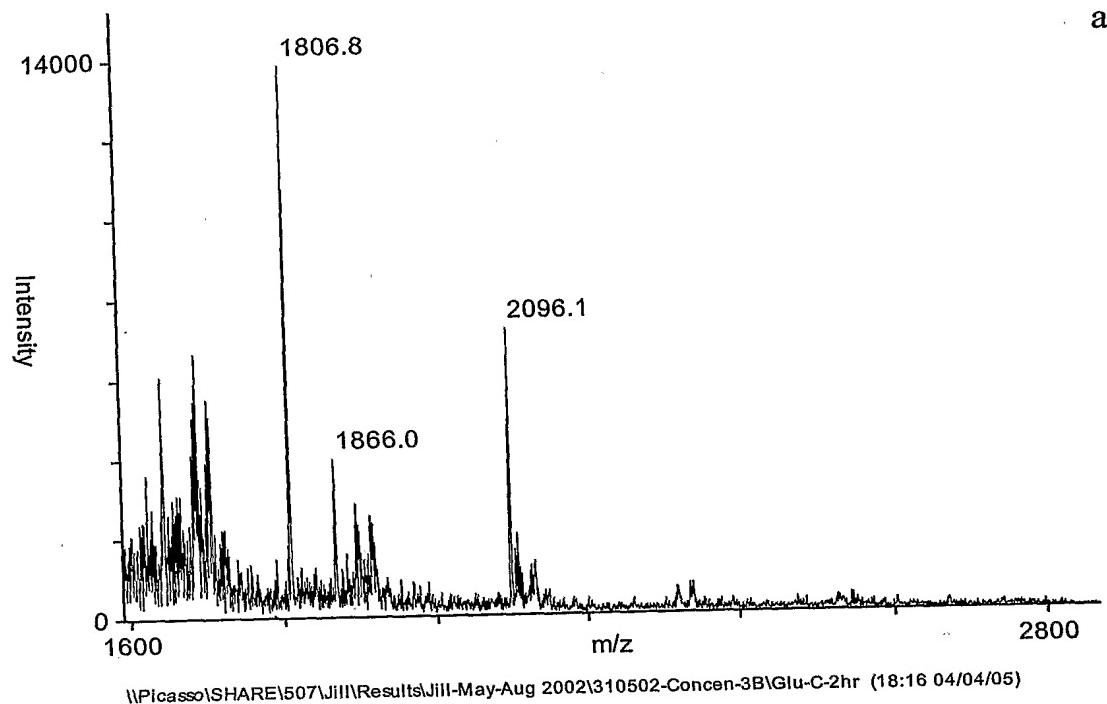
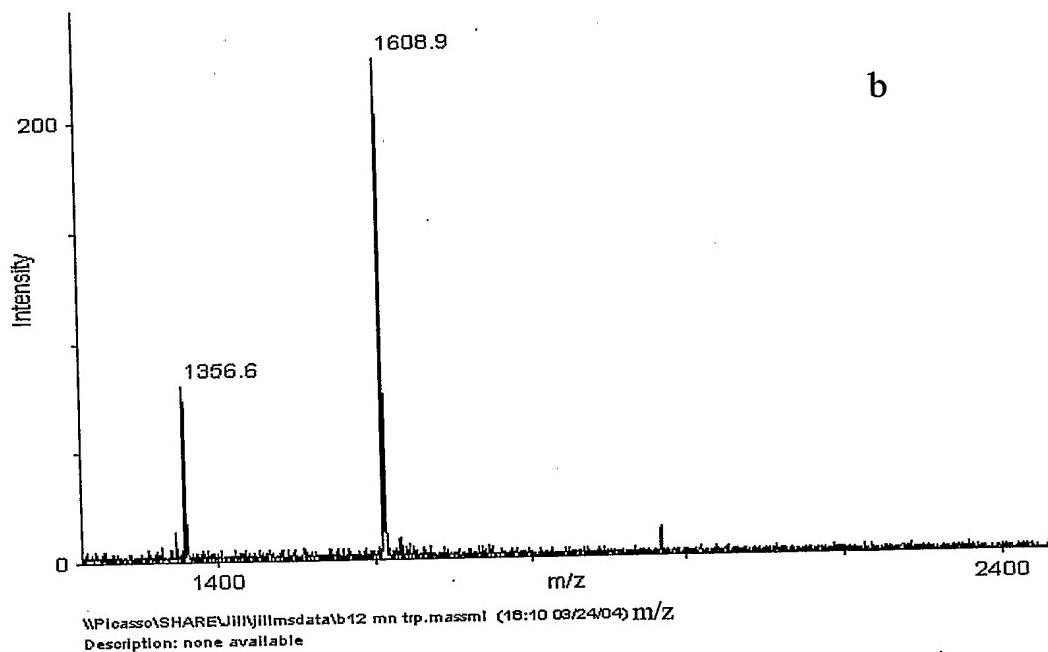
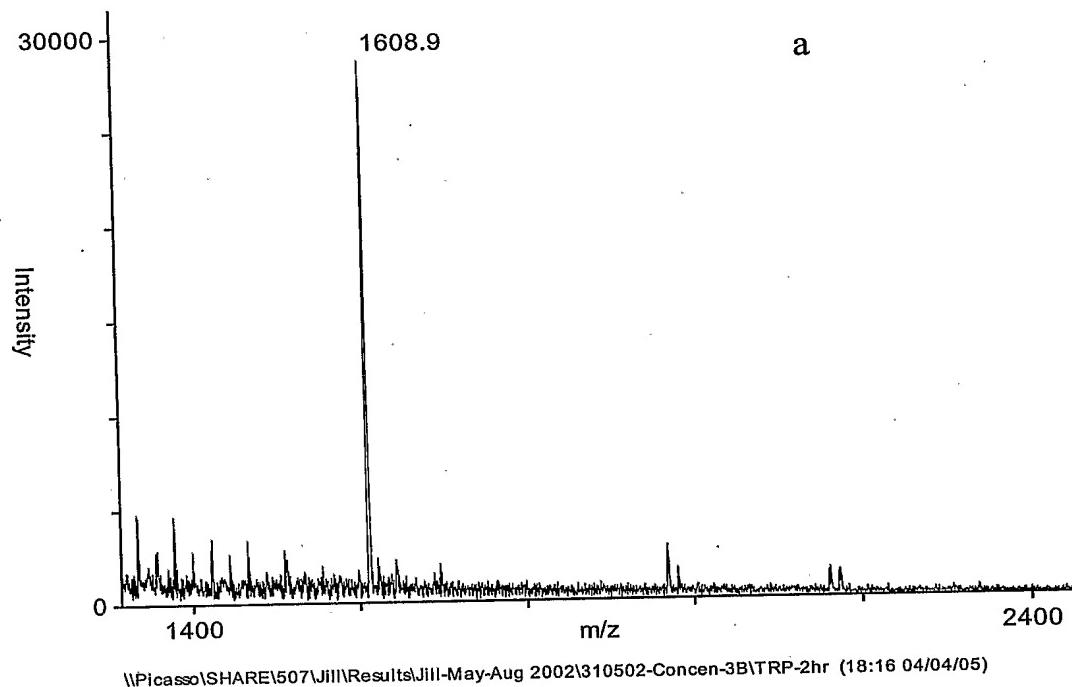


FIG.1



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FIG. 2



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1 MRVKEKYQHL WRWGWKWGT MLLGILMICSA TEKLWVTVYY GVPVWKEATT TLFCASDAKA
61 YDTEVHNWVA THACVPTDPN PQEVVLVNVT ENFNMWKNDM VEQMHEDIIS LWDQSLKPCV
121 KLTPLCVSLK CTDLGNATNT NSSNTNSSG EMMMEKGEIK NCSFNISTSI RGKVQKEYAF
181 FYKLDIIPID NDTSVTITS CNTSVITQAC PKVSFEPIDI HYCAPAGFAI LKCNNKTTFNG
241 TGPCTNVSTV QCTHGIRPVV STQLLNGSL AEEEVVIRSA NFTDNAKTII VQLNQSVEIN
301 CTRPNNNTRK SIRIQRGPGR AFVTIGKIGN MRQAHCNISR AKWNATLKQI ASKLREQFGN
361 NKTIIFKQSS GGDPEIVTHS FNCGGEFFYC NSTQLFNSTW FNSTWSTEWS NNTEGSDTIT
421 LPCRIKQFIN MWQEVGKAMY APPISGQIRC SSNITGLLLT RDGGNNNNNGS EIFRPGGGDM
481 RDNWRSELYK YKVVKIEPLG VAPTKAKRRV VOREKR

Figure 3.

1 IPGEKLWVTV YYGVPVWKEA TTTLFCASDA KAYDTEVHNV WATHACVPTD PDPQEVELVN
61 VTENFNWK NNMVEQMHEDI ISLWDQSLKP CVKLTPLCVT LNCTDLRNTT NTNNSTANN
121 SNSEGTIKGG EMKNCSFNIT TSIGDKMQKE YALLYKLDIV SIDNDSTSRY LISCNTSVIT
181 QACPKISFEP IPIHYCAPAG FAILKCNDKK FSGKGSCKNV STVQCTHGIR PVVSTQLLN
241 GSLAEEEVVI RSENFTDNAK TIIVHINESV QINCTRPNYN KRKRHIHIGPG RAFYTTKNII
301 GTIRQAHNCI SRAKWNDTLR QIVSKLKEQF KNKTIVFTQS SGGDPEIVMH SFNCGGEFFY
361 CNTSPLFNST WNGNNTWNNT TGSNNNITLQ CKIKQIINMW QKVGKAMYAP PEIGQIRCSS
421 NITGLLLTRD GGKDTDTDDT EIFRPGGGDM RDNWRSELYK YKVVTIEPLG VAPTKAKRRV
481 VOREKR

Figure 4.

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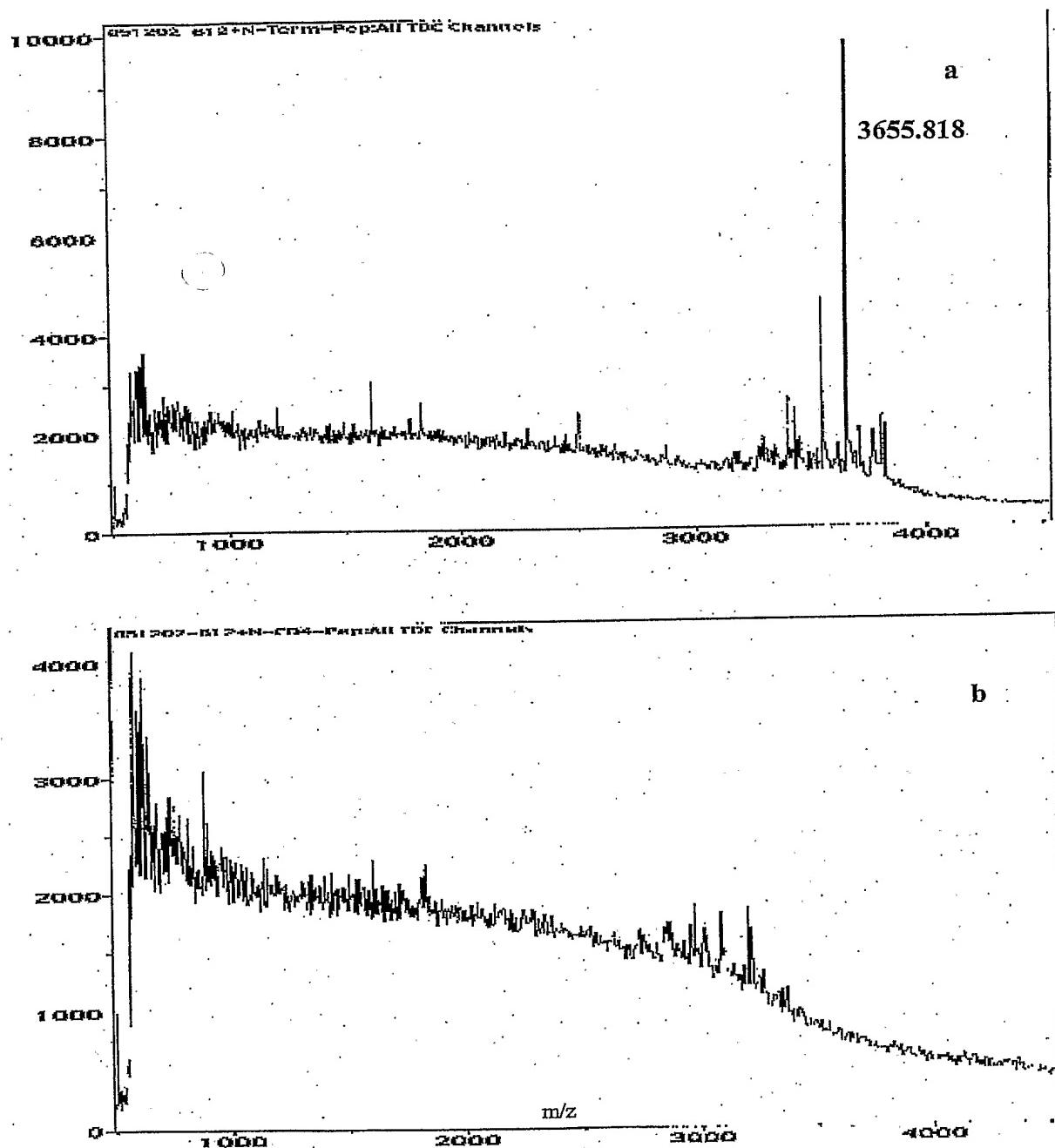


Figure 5:

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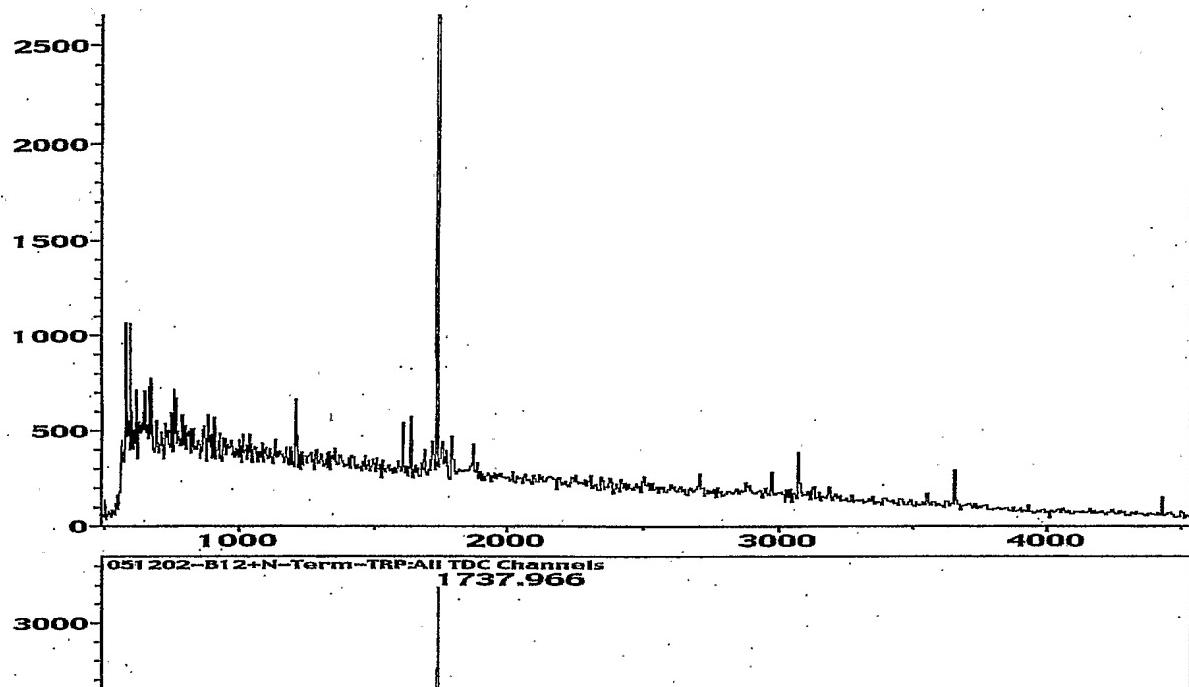


Figure 6.

TgG1b12 neutralizing specificities

Strain	Sequence	Clade	Neutralizing Titer (ID50)
Consensus	LWVTVYYGVPVWKEATTTLFCASDAK	-	-
Ug273	LWVTVYYGVPVWDAETTTLFCASDAK	A	10 µg/ml
DJ258	LWVTVYYGVPVWRDAAETTTLFCASDAK	A	35
MN	LWVTVYYGVPVWKEATTTLFCASDAK	B	<0.04
Lai (III B)	LWVTVYYGVPVWKEATTTLFCASDAK	B	<0.04
BK132	LWVTVYYGVPVWKEATTTLFCASDAK	B	9.3
SF2	LWVTVYYGVPVWKEATTTLFCASDAK	B	0.2
DJ259	LWVTVYYGVPVWKDANPPLFCASDAK	C	29
ZM20	LWVTVYYGVPVWKEAKTTTLFCASDAK	C	>50
CM235	LWVTVYYGVPVWRDADTTTLFCASDAK	E	20
BZ163	LWVTVYYGVPVWKDATTTLFCASDAK	F	49
MVP5180	LWVTVYYGVPVWEEAAPVLFCASDAN	O	>50

Figure 7

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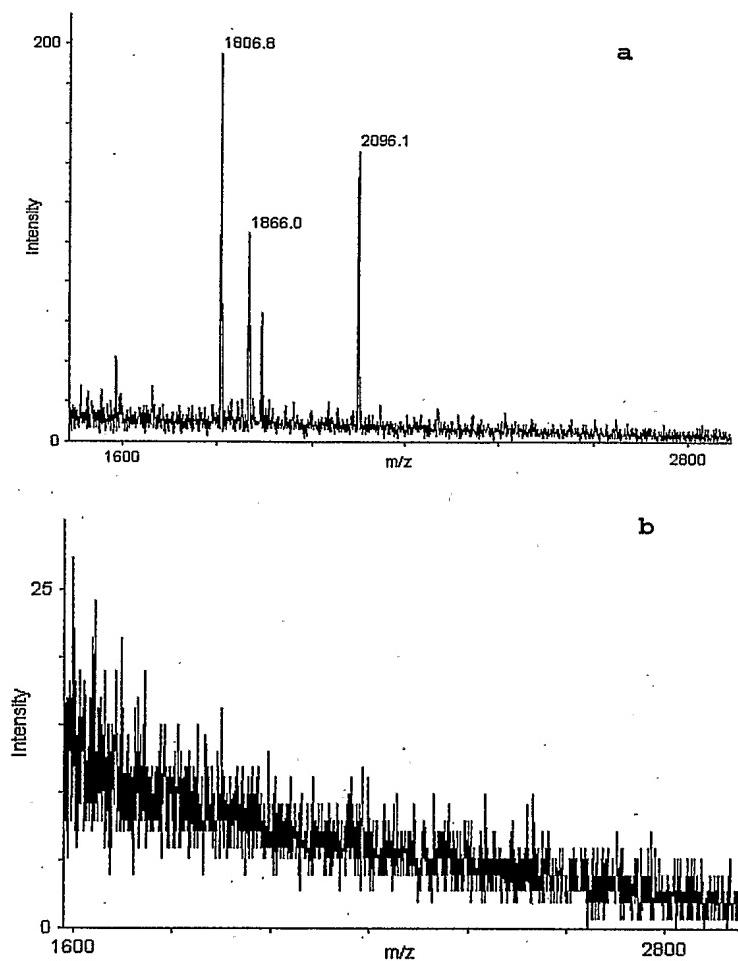


Figure 8.

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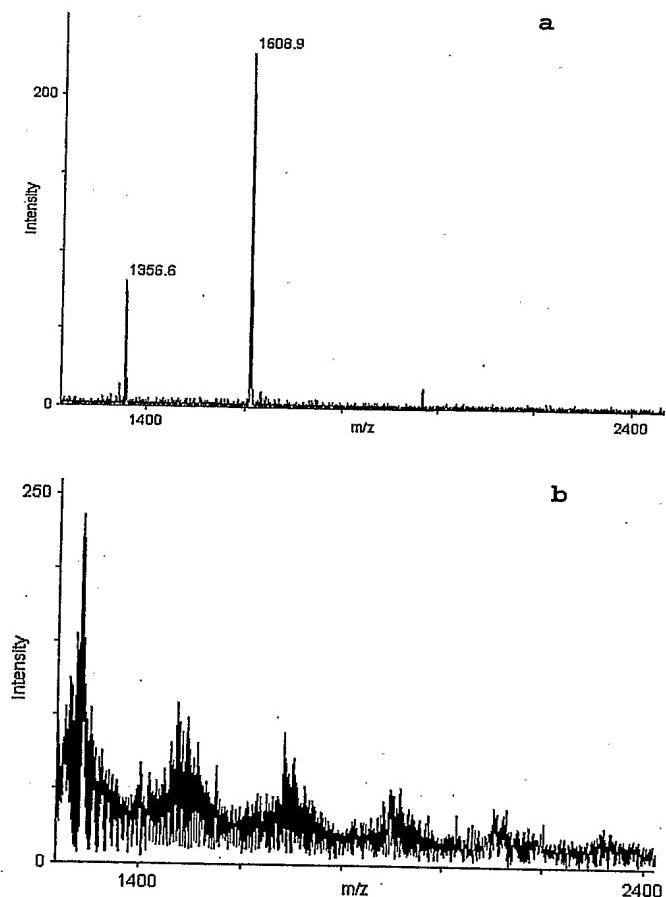


Figure 9.

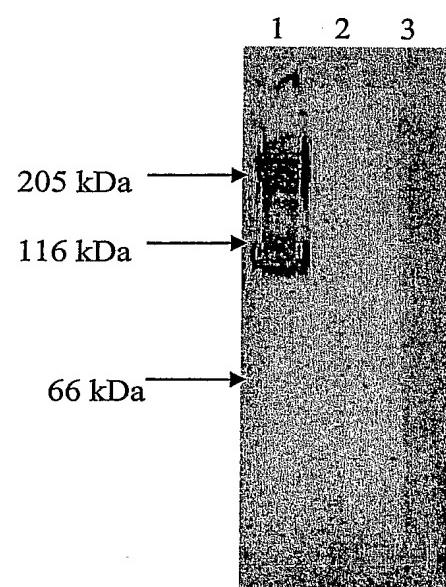


Figure 10.

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FIG. 11

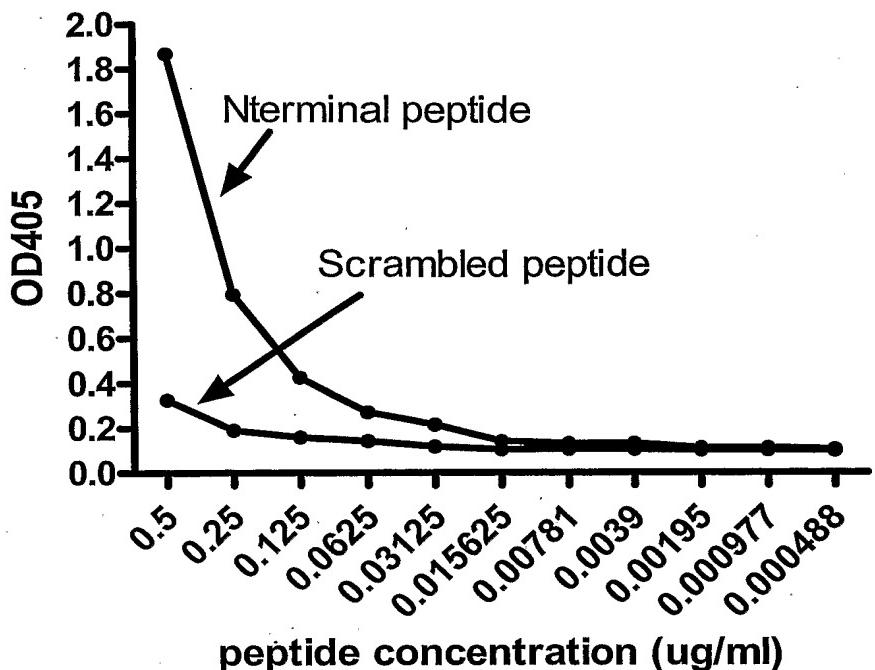
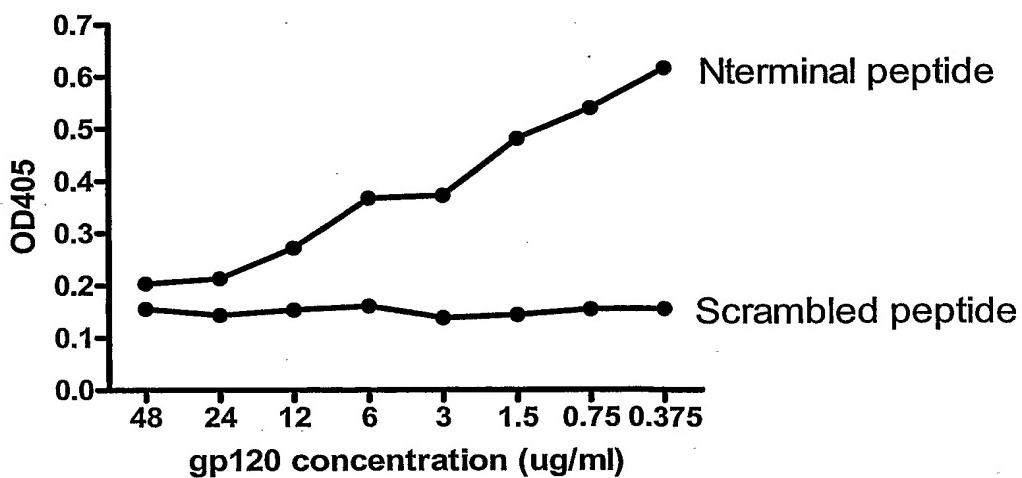
Peptide binding to IgG1 b12

FIG. 12

Inhibition of IgG1 b12 binding to peptide by gp120

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A

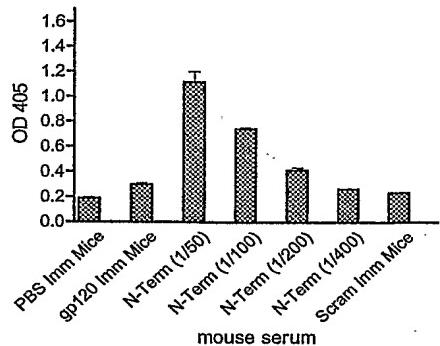
gp120 Recognition by Differentially Immunized Mice

Figure 13A

B

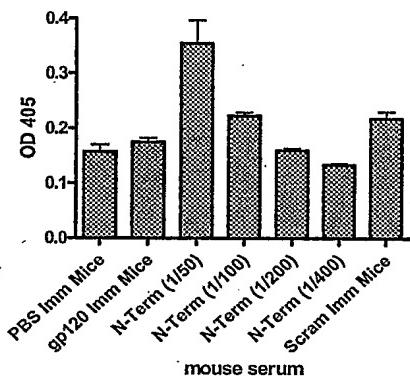
N terminal Peptide Recognition by Differentially Immunized Mice

Figure 13B

C

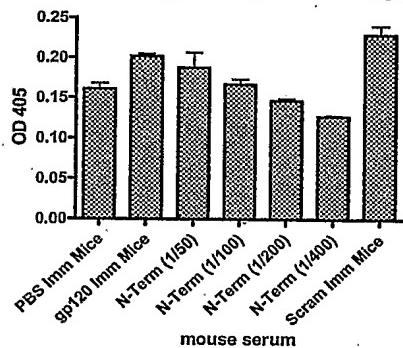
Scrambled Peptide Recognition by Differentially Immunized Mice

Figure 13C